

Cizhong Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

5,765
citations

147801

31
h-index

82547

72
g-index

90
all docs

90
docs citations

90
times ranked

8803
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleosome positioning and gene regulation: advances through genomics. <i>Nature Reviews Genetics</i> , 2009, 10, 161-172.	16.3	915
2	Nucleosome organization in the <i>Drosophila</i> genome. <i>Nature</i> , 2008, 453, 358-362.	27.8	636
3	A barrier nucleosome model for statistical positioning of nucleosomes throughout the yeast genome. <i>Genome Research</i> , 2008, 18, 1073-1083.	5.5	591
4	A Comprehensive Genomic Binding Map of Gene and Chromatin Regulatory Proteins in <i>Saccharomyces</i> . <i>Molecular Cell</i> , 2011, 41, 480-492.	9.7	269
5	A compiled and systematic reference map of nucleosome positions across the <i>Saccharomyces cerevisiae</i> genome. <i>Genome Biology</i> , 2009, 10, R109.	9.6	212
6	Direct reprogramming of mouse fibroblasts into cardiomyocytes with chemical cocktails. <i>Cell Research</i> , 2015, 25, 1013-1024.	12.0	202
7	NELF and GAGA Factor Are Linked to Promoter-Proximal Pausing at Many Genes in <i>Drosophila</i> . <i>Molecular and Cellular Biology</i> , 2008, 28, 3290-3300.	2.3	198
8	MicroRNA-449 and MicroRNA-34b/c Function Redundantly in Murine Testes by Targeting E2F Transcription Factor-Retinoblastoma Protein (E2F-pRb) Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 21686-21698.	3.4	197
9	Multi-organ Site Metastatic Reactivation Mediated by Non-canonical Discoidin Domain Receptor 1 Signaling. <i>Cell</i> , 2016, 166, 47-62.	28.9	194
10	Interaction of Transcriptional Regulators with Specific Nucleosomes across the <i>Saccharomyces</i> Genome. <i>Molecular Cell</i> , 2009, 35, 889-902.	9.7	110
11	The long noncoding RNA MALAT1 promotes tumor-driven angiogenesis by up-regulating pro-angiogenic gene expression. <i>Oncotarget</i> , 2016, 7, 8663-8675.	1.8	97
12	GeneTrack—a genomic data processing and visualization framework. <i>Bioinformatics</i> , 2008, 24, 1305-1306.	4.1	94
13	Transcription factor ISL1 is essential for pacemaker development and function. <i>Journal of Clinical Investigation</i> , 2015, 125, 3256-3268.	8.2	90
14	microRNA-29b is a novel mediator of Sox2 function in the regulation of somatic cell reprogramming. <i>Cell Research</i> , 2013, 23, 142-156.	12.0	84
15	Smad2 and Smad3 have differential sensitivity in relaying TGF β ² signaling and inversely regulate early lineage specification. <i>Scientific Reports</i> , 2016, 6, 21602.	3.3	78
16	Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 14, 1540-1554.	6.4	74
17	Association of ADH and ALDH Genes With Alcohol Dependence in the Irish Affected Sib Pair Study of Alcohol Dependence (IASPSAD) Sample. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 785-795.	2.4	72
18	The deubiquitinase USP21 maintains the stemness of mouse embryonic stem cells via stabilization of Nanog. <i>Nature Communications</i> , 2016, 7, 13594.	12.8	72

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19	Epigenetics: the language of the cell?. <i>Epigenomics</i> , 2014, 6, 73-88.	2.1	71
20	Severe hypoxia exerts parallel and cell-specific regulation of gene expression and alternative splicing in human mesenchymal stem cells. <i>BMC Genomics</i> , 2014, 15, 303.	2.8	63
21	Naïve Induced Pluripotent Stem Cells Generated From β^0 -Thalassemia Fibroblasts Allow Efficient Gene Correction With CRISPR/Cas9. <i>Stem Cells Translational Medicine</i> , 2016, 5, 8-19.	3.3	59
22	Opposing Roles of Wnt Inhibitors IGFBP-4 and Dkk1 in Cardiac Ischemia by Differential Targeting of LRP5/6 and β -catenin. <i>Circulation</i> , 2016, 134, 1991-2007.	1.6	57
23	Mutational spectrum in the recent human genome inferred by single nucleotide polymorphisms. <i>Genomics</i> , 2006, 88, 527-534.	2.9	56
24	Dux-Mediated Corrections of Aberrant H3K9ac during 2-Cell Genome Activation Optimize Efficiency of Somatic Cell Nuclear Transfer. <i>Cell Stem Cell</i> , 2021, 28, 150-163.e5.	11.1	54
25	Sin3a-Tet1 interaction activates gene transcription and is required for embryonic stem cell pluripotency. <i>Nucleic Acids Research</i> , 2018, 46, 6026-6040.	14.5	49
26	Features and Trend of Loss of Promoter-Associated CpG Islands in the Human and Mouse Genomes. <i>Molecular Biology and Evolution</i> , 2007, 24, 1991-2000.	8.9	46
27	Ribosomal RNA Gene Transcription Mediated by the Master Genome Regulator Protein CCCTC-binding Factor (CTCF) Is Negatively Regulated by the Condensin Complex. <i>Journal of Biological Chemistry</i> , 2013, 288, 26067-26077.	3.4	46
28	Tumor resistance to anti-VEGF therapy through up-regulation of VEGF-C expression. <i>Cancer Letters</i> , 2014, 346, 45-52.	7.2	46
29	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2019, 47, 8563-8580.	14.5	46
30	Chromatin architecture reorganization in murine somatic cell nuclear transfer embryos. <i>Nature Communications</i> , 2020, 11, 1813.	12.8	43
31	Methylation-Dependent Transition Rates Are Dependent on Local Sequence Lengths and Genomic Regions. <i>Molecular Biology and Evolution</i> , 2007, 24, 23-25.	8.9	38
32	Differential analysis of chromatin accessibility and histone modifications for predicting mouse developmental enhancers. <i>Nucleic Acids Research</i> , 2018, 46, 11184-11201.	14.5	36
33	A cascade of transcriptional repression determines sexual commitment and development in <i>Plasmodium falciparum</i> . <i>Nucleic Acids Research</i> , 2021, 49, 9264-9279.	14.5	36
34	Smad5 acts as an intracellular pH messenger and maintains bioenergetic homeostasis. <i>Cell Research</i> , 2017, 27, 1083-1099.	12.0	34
35	Pyroptosis inhibition improves the symptom of acute myocardial infarction. <i>Cell Death and Disease</i> , 2021, 12, 852.	6.3	34
36	VEGF-Mediated Proliferation of Human Adipose Tissue-Derived Stem Cells. <i>PLoS ONE</i> , 2013, 8, e73673.	2.5	33

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37	Distinct response of the hepatic transcriptome to Aflatoxin B1 induced hepatocellular carcinogenesis and resistance in rats. <i>Scientific Reports</i> , 2016, 6, 31898.	3.3	33
38	An ALYREF-MYCN coactivator complex drives neuroblastoma tumorigenesis through effects on USP3 and MYCN stability. <i>Nature Communications</i> , 2021, 12, 1881.	12.8	31
39	Unusual combinatorial involvement of poly-A/T tracts in organizing genes and chromatin in <i>Dictyostelium</i> . <i>Genome Research</i> , 2012, 22, 1098-1106.	5.5	29
40	Integrated transcriptome analysis of human iPS cells derived from a fragile X syndrome patient during neuronal differentiation. <i>Science China Life Sciences</i> , 2016, 59, 1093-1105.	4.9	28
41	Guide Positioning Sequencing identifies aberrant DNA methylation patterns that alter cell identity and tumor-immune surveillance networks. <i>Genome Research</i> , 2019, 29, 270-280.	5.5	25
42	Toxic effects of decabromodiphenyl ether (BDE-209) on human embryonic kidney cells. <i>Frontiers in Genetics</i> , 2014, 5, 118.	2.3	24
43	Phylogenetic affinity of tree shrews to Glires is attributed to fast evolution rate. <i>Molecular Phylogenetics and Evolution</i> , 2014, 71, 193-200.	2.7	24
44	Chromatin remodeling during in vivo neural stem cells differentiating to neurons in early <i>Drosophila</i> embryos. <i>Cell Death and Differentiation</i> , 2017, 24, 409-420.	11.2	24
45	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of <i>Dnmt3b</i> . <i>Stem Cell Reports</i> , 2018, 10, 477-493.	4.8	24
46	Requirement for integrin-linked kinase in neural crest migration and differentiation and outflow tract morphogenesis. <i>BMC Biology</i> , 2013, 11, 107.	3.8	23
47	Genetic analysis of the clonal stability of Chinese hamster ovary cells for recombinant protein production. <i>Molecular BioSystems</i> , 2016, 12, 102-109.	2.9	23
48	Temporal requirements for ISL1 in sympathetic neuron proliferation, differentiation, and diversification. <i>Cell Death and Disease</i> , 2018, 9, 247.	6.3	23
49	Directionality of point mutation and 5-methylcytosine deamination rates in the chimpanzee genome. <i>BMC Genomics</i> , 2006, 7, 316.	2.8	22
50	Targeted Differentiation of Regional Ventral Neuroprogenitors and Related Neuronal Subtypes from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016, 7, 941-954.	4.8	21
51	Wingless modulates activator protein-1-mediated tumor invasion. <i>Oncogene</i> , 2019, 38, 3871-3885.	5.9	21
52	Nucleosome eviction along with H3K9ac deposition enhances Sox2 binding during human neuroectodermal commitment. <i>Cell Death and Differentiation</i> , 2017, 24, 1121-1131.	11.2	21
53	Dynamically reorganized chromatin is the key for the reprogramming of somatic cells to pluripotent cells. <i>Scientific Reports</i> , 2016, 5, 17691.	3.3	20
54	Gene Expression Profiling Analysis of Bisphenol A-Induced Perturbation in Biological Processes in ER-Negative HEK293 Cells. <i>PLoS ONE</i> , 2014, 9, e98635.	2.5	20

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55	Drosophila Brahma complex remodels nucleosome organizations in multiple aspects. <i>Nucleic Acids Research</i> , 2014, 42, 9730-9739.	14.5	19
56	Fetal growth restriction impairs hippocampal neurogenesis and cognition via Tet1 in offspring. <i>Cell Reports</i> , 2021, 37, 109912.	6.4	19
57	Accurate annotation of accessible chromatin in mouse and human primordial germ cells. <i>Cell Research</i> , 2018, 28, 1077-1089.	12.0	17
58	Genome-wide DNA methylation analysis reveals that mouse chemical iPSCs have closer epigenetic features to mESCs than OSKM-integrated iPSCs. <i>Cell Death and Disease</i> , 2018, 9, 187.	6.3	15
59	Rrp6 Regulates Heterochromatic Gene Silencing via ncRNA RUF6 Decay in Malaria Parasites. <i>MBio</i> , 2020, 11, .	4.1	15
60	Pwp1 Is Required for the Differentiation Potential of Mouse Embryonic Stem Cells Through Regulating Stat3 Signaling. <i>Stem Cells</i> , 2015, 33, 661-673.	3.2	14
61	dFoxO promotes Wingless signaling in Drosophila. <i>Scientific Reports</i> , 2016, 6, 22348.	3.3	14
62	Dynamic placement of the linker histone H1 associated with nucleosome arrangement and gene transcription in early Drosophila embryonic development. <i>Cell Death and Disease</i> , 2018, 9, 765.	6.3	13
63	Genetic analysis of heterogeneous sub-clones in recombinant Chinese hamster ovary cells. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5785-5797.	3.6	13
64	Collaborative ISL1/GATA3 interaction in controlling neuroblastoma oncogenic pathways overlapping with but distinct from MYCN. <i>Theranostics</i> , 2019, 9, 986-1000.	10.0	12
65	Aberrant H3K4me3 modification of epiblast genes of extraembryonic tissue causes placental defects and implantation failure in mouse IVF embryos. <i>Cell Reports</i> , 2022, 39, 110784.	6.4	12
66	Nucleosome organizations in induced pluripotent stem cells reprogrammed from somatic cells belonging to three different germ layers. <i>BMC Biology</i> , 2014, 12, 109.	3.8	11
67	The Architectural Factor HMGB1 Is Involved in Genome Organization in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>MBio</i> , 2021, 12, .	4.1	11
68	PEpiD: A Prostate Epigenetic Database in Mammals. <i>PLoS ONE</i> , 2013, 8, e64289.	2.5	11
69	Chromatin remodeling during the in vivo glial differentiation in early Drosophila embryos. <i>Scientific Reports</i> , 2016, 6, 33422.	3.3	10
70	TRIBE Uncovers the Role of Dis3 in Shaping the Dynamic Transcriptome in Malaria Parasites. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 264.	3.7	10
71	Developmental programming and lineage branching of early human telencephalon. <i>EMBO Journal</i> , 2021, 40, e107277.	7.8	10
72	Genome transfer for the prevention of female infertility caused by maternal gene mutation. <i>Journal of Genetics and Genomics</i> , 2020, 47, 311-319.	3.9	9

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73	5-methylcytosine modification by <i>Plasmodium</i> NSUN2 stabilizes mRNA and mediates the development of gametocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
74	Optimization of CRISPR/Cas System for Improving Genome Editing Efficiency in <i>Plasmodium falciparum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 625862.	3.5	7
75	TCONS_00483150 as a novel diagnostic biomarker of systemic lupus erythematosus. <i>Epigenomics</i> , 2020, 12, 973-988.	2.1	6
76	Loss of Atg7 causes chaotic nucleosome assembly of mouse bone marrow CD11b+Ly6G- myeloid cells. <i>Aging</i> , 2020, 12, 25673-25683.	3.1	6
77	Characterizing disease progression of nonalcoholic steatohepatitis in <i>Leptin</i> -deficient rats by integrated transcriptome analysis. <i>Experimental Biology and Medicine</i> , 2021, 246, 678-687.	2.4	5
78	Increase in DNA Damage by MYCN Knockdown Through Regulating Nucleosome Organization and Chromatin State in Neuroblastoma. <i>Frontiers in Genetics</i> , 2019, 10, 684.	2.3	4
79	A retrospective analysis reveals a predictor of survival for the patient with paraquat intoxication. <i>Clinica Chimica Acta</i> , 2020, 511, 269-277.	1.1	4
80	Mapping germ-layer specification preventing genes in hPSCs via genome-scale CRISPR screening. <i>IScience</i> , 2021, 24, 101926.	4.1	4
81	Features of Recent Codon Evolution: A Comparative Polymorphism-Fixation Study. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-9.	3.0	3
82	Improved recombinant protein production by regulation of transcription and protein transport in Chinese hamster ovary cells. <i>Biotechnology Letters</i> , 2019, 41, 719-732.	2.2	3
83	H3K27me3 Signal in the Cis Regulatory Elements Reveals the Differentiation Potential of Progenitors During <i>Drosophila</i> Neuroglial Development. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 297-304.	6.9	3
84	Profiling Analysis of Histone Modifications and Gene Expression in Lewis Lung Carcinoma Murine Cells Resistant to Anti-VEGF Treatment. <i>PLoS ONE</i> , 2016, 11, e0158214.	2.5	3
85	BMP4 preserves the developmental potential of mESCs through Ube2s- and Chmp4b-mediated chromosomal stability safeguarding. <i>Protein and Cell</i> , 2022, 13, 580-601.	11.0	3
86	TFFP: An SVM-Based Tool for Recognizing Flagellar Proteins in <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2013, 8, e54032.	2.5	1
87	H2A.Z Nucleosome Positioning Has No Impact on Genetic Variation in <i>Drosophila</i> Genome. <i>PLoS ONE</i> , 2013, 8, e58295.	2.5	1
88	A novel statistical method to estimate the effective SNP size in vertebrate genomes and categorized genomic regions. <i>BMC Genomics</i> , 2006, 7, 329.	2.8	0
89	The temporal requirements for Isl1 in sympathetic neuron proliferation, differentiation and diversification. <i>Mechanisms of Development</i> , 2017, 145, S125.	1.7	0
90	Differential Transcriptomes and Methylomes of Trophoblast Stem Cells From Naturally-Fertilized and Somatic Cell Nuclear-Transferred Embryos. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664178.	3.7	0